ENDOCRINOLOGY INDEX

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EXPLANATION OF FORMAT

The period covered by this issue of the bibliography corresponds to the same months of *Index Medicus*. The journal coverage is limited to journals covered by *Index Medicus*, but the *Endocrinology Index* contains additional subject headings that are not included in *Index Medicus*. The *Endocrinology Index* is arranged in seven sections: 1) Table of Contents; 2) Subject Section; 3) Review Section; 4) Method Section; 5) Author Section; 6) Subject Index; and 7) Author Index.

Subject Section

The Subject Section is for the reader interested in recent literature related to certain broad topics and is divided into eight categories (pituitary, thyroid, etc.). The endocrine pancreas has not been included since it is the subject of another recurring bibliography, *Diabetes Literature Index*. Each category has a preconceived hierarchical organization of subject headings. A particular citation may appear more than once if it deals with multiple topics. Each citation to an article contains the full title, first author, and journal reference. If the article is written in a foreign language, the language is indicated. If the citation is to a review article, the number of references is given.

Author Section

The Author Section provides the reader with a list of keywords or index terms assigned to each citation. Each article appears only once. The citations are arranged alphabetically according to first author and are numbered consecutively. These numbers are then used in the Author and Subject Indexes to enable the reader to identify references with ease. The complete citations (including index terms) are found but only the first three authors are listed. Foreign titles appear in the original language; these titles have been translated into English in the Subject Section. Following each citation are index terms which have been assigned to describe the contents of the article. Index terms appear in capital letters; some of these are accompanied by subheadings which appear in lower case letters. Asterisks (*) identify the index terms under which articles appear in *Index Medicus*.

Subject Index

All of the index terms assigned to the citations appearing in the bibliography are listed, followed by citation numbers which correspond to the numbers in the Author Section. The Subject Index is included for the convenience of the reader who wishes to select articles falling in categories of his own conception. For example, one who is interested in protein binding of a particular hormone could quickly find whether there were any articles dealing with this subject by determining if there were any citation numbers common to the two headings "protein binding" and the name of the specific hormone.

Author Index

The names of all authors are listed, followed by citation numbers which correspond to the numbers in the Author Section.

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ENDOCRINOLOGY INDEX

National Institute of Arthritis, Metabolism, and Digestive Diseases

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PREFACE

The *Endocrinology Index* is a bimonthly publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases. This selected bibliography which is produced from the National Library of Medicine's Medical Literature Analysis and Retrieval System (MEDLARS), has been initiated to supply those scientists working in the field of endocrinology with a much needed current awareness tool and is intended to help facilitate greater integration of research and clinical efforts in this field.

Endocrinology Index was developed with the support of contract PH43-66-480 in 1966-70 to Vanderbilt University under the direction of Grant W. Liddle. The National Institute of Arthritis, Metabolism, and Digestive Diseases is most appreciative of the fine work in originally developing and editing the *Index* provided by Grant W. Liddle and Victoria Ragin Liddle and for their continuing editorial advice in making the *Endocrinology Index* a most important and necessary component of endocrinology literature within the biomedical research community.

The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1981

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PITUITARY

III. *Pituitary Hormones, Precursors, Metabolites and Synthetic Analogs*

ARGININE VASOPRESSIN

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LYSINE VASOPRESSIN

ADVERSE EFFECTS

Myometrial response to a long-acting vasopressin analogue in early pregnancy. Akerlund M, et al. **Br J Obstet Gynaecol** 85(7):525–9, Jul 78

ANALOGS & DERIVATIVES

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III. *Thyroid Hormones, Precursors, Metabolites and Synthetic Analogs*

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THYROID

IV. Thyroid Antagonists and Inhibitors

CARBIMAZOLE

ADVERSE EFFECTS

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V. *Related Topics*

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ADRENAL

III. Adrenal Cortex Hormones, Precursors, Metabolites and Synthetic Analogs

ADRENAL CORTEX HORMONES

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Formation of 15alpha–hydroxyestriol and 15alpha–hydroxyestradiol from C19 15alpha–hydroxylated precursors in human pregnancy. Stanczyk FZ, et al. **Steroids** 31(5):627–43, May 78

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BETAMETHASONE 17-VALERATE

PHARMACODYNAMICS

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ADMINISTRATION & DOSAGE

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*CLOBETASOL See page 106.

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CORTISONE

ADMINISTRATION & DOSAGE

Effects of systemic cortisone on the healing of tooth sockets in rats. A histologic study. Smales RJ. **Oral Surg** 45(5):685–8, May 78

ADVERSE EFFECTS

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BLOOD

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Effect of age and sex on the association constant and binding capacity of chicken serum for corticosteroid. Gould NR, et al. **Poult Sci** 57(3):778–84, May 78

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Serum 170H–progesterone estimations in the diagnosis and management of congenital adrenal hyperplasia. Thomsett MJ. **Aust Paediatr J** 14(1):16–20, Mar 78

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Management of congenital adrenal hyperplasia using serum dehydroepiandrosterone sulfate and 17–hydroxyprogesterone concentrations. Golden MP, et al. **Pediatrics** 61(6):867–71, Jun 78

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DEHYDROEPIANDROSTERONE

ADMINISTRATION & DOSAGE

Formation of 15alpha–hydroxyestriol and 15alpha–hydroxyestradiol from C19 15alpha–hydroxylated precursors in human pregnancy. Stanczyk FZ, et al. **Steroids** 31(5):627–43, May 78

[The effect of concomitant administration of dehydroepiandrosterone with progesterone on decidual

growth in the rat (author's transl)] Ishikawa H. **Nippon Naibunpi Gakkai Zasshi** 54(6):735–51, 20 Jun 78 (Eng. Abstr.) **(Jpn)**

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DIAGNOSTIC USE

Clinical application of estriol analysis. Gabbe SG, et al. **Clin Obstet Gynecol** 21(2):353–62, Jun 78

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V. *Adrenal Medulla*

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I. Physical and Functional Aspects

GONADS

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II. *Disorders of the Gonads*

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III. Gonadal Hormones, Precursors, Metabolites and Synthetic Analogs

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ADVERSE EFFECTS

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ETHYLESTRENOL

ADMINISTRATION & DOSAGE

Treatment of chronic thromboembolism with Arvin, oral fibrinolytics and standard anticoagulants. Kounis NG, et al. **Vasc Surg** 11(2):68–72, Mar–Apr 77

ANALOGS & DERIVATIVES

Assignment by 13-C-NMR spectroscopy of configuration at C-5 in 17 alpha-ethylestran-17 beta-ol, an impurity in the anabolic steroid ethylestrenol. Deslauriers R, et al. **J Pharm Sci** 67(8):1187–9, Aug 78

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Depression of cholinesterase activity by ethylestrenol in organophosphorus-poisoned and normal rats. Robinson CP, et al. **Toxicol Appl Pharmacol** 44(1):207–11, Apr 78

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ETHYNODIOL DIACETATE

PHARMACODYNAMICS

The effect of different regimens of oestrogens on the clotting and fibrinolytic system of the post-menopausal woman. Thom M, et al. **Front Horm Res** 5:192–202, 1977

FLUOROMETHOLONE

ADMINISTRATION & DOSAGE

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HYDROXYPROGESTERONES

BIOSYNTHESIS

Anaerobic degradation of the progesterone side chain: a possible new pathway for the biosynthesis of androgen hormones. Tan L, et al. **Biochem Biophys Res Commun** 65(4):1320–6, 18 Aug 75

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LYNESTRENOL

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Plasma renin activity and angiotensin II during oral contraception. Soveri P, et al. **Ann Clin Res** 9(6):346–9, Dec 77

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MEDROXYPROGESTERONE

ADMINISTRATION & DOSAGE

Treatment of obsessive homosexual pedophilic fantasies with medroxyprogesterone acetate. Pinta ER. **Biol Psychiatry** 13(3):369–73, Jun 78

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CEREBROSPINAL FLUID

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PLACENTA

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PARATHYROID AND BONE

I. *Physical and Functional Aspects*

PARATHYROID GLANDS

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PARATHYROID AND BONE

III. Parathyroid Hormone

PARATHYROID HORMONE

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PARATHYROID AND BONE

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NEUROENDOCRINOLOGY

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Midline pineal tumors and suprasellar germinomas: highly curable by irradiation. Sung DI, et al. **Radiology** 128(3):745–51, Sep 78

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Comparison of the infratentorial and transtentorial approaches to the pineal region. Reid WS, et al. **Neurosurgery** 3(1):1–8, Jul–Aug 78

NEUROENDOCRINOLOGY

III. Neuroendocrine System Hormones, Precursors, Metabolites and

CORTICOTROPIN RELEASING HORMONE

ANALYSIS

Distribution of CRF activity and immunoreactive ACTH within the hypothalamic–neurophypophyseal complex in various species. Yasuda N, et al.
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A morphological survey of the median eminence: fluorescence histochemistry, electron microscopy and immunohistochemistry. Ibata Y, et al. **Arch Histol Jpn** 40 Suppl:303–15, 1977

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*ACEBUTOLOL, pharmacodynamics/ ACEBUTOLOL, therapeutic use/ CHROMATOGRAPHY, GAS/ COLORIMETRY, methods/ COMPARATIVE STUDY/ ENGLISH ABSTRACT/ HUMAN/ HYPERTENSION, drug therapy/ *17-KETOSTEROIDS, blood

METHODS

Identification and determination of thyroxine using gas–liquid chromatography. Manius GJ, et al. **Anal Biochem** 87(2):496–505, 1 Jul 78
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A radio–gas chromatographic method for the determination of 11–oxotestosterone in fish plasma: its use in confirming estimations by radioimmunoassay. Simpson TH, et al. **Steroids** 31(5):691–5, May 78
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[Application of a simple method of gas–liquid chromatography for the analysis of urinary steroids in normal and pathological conditions] Campos ME, et al. **Rev Clin Esp** 148(5):443–5, 15 Mar 78 (Eng. Abstr.) **(Spa)**
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CHROMATOGRAPHY, GEL

Pig duodenal somatostatin: extraction and purification. Pradayrol L, et al. **Metabolism** 27(9 Suppl 1):1197–200, Sep 78
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Isolation and identification of biologically active peptides. pp. 1–15. Morris HR.
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CHROMATOGRAPHY, LIQUID

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Liquid chromatography detector based on single and twin electrode thin–layer electrochemistry: application to the determination of catecholamines in blood plasma. Fenn RJ, et al. **Anal Chem** 50(8):1067–73, Jul 78
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[Application of a simple method of gas–liquid chromatography for the analysis of urinary steroids in normal and pathological conditions] Campos ME, et al. **Rev Clin Esp** 148(5):443–5, 15 Mar 78 (Eng. Abstr.) **(Spa)**
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CHROMATOGRAPHY, THIN LAYER

[Detection of estrogen residues in meat by thin layer chromatography and fluorimetry (author's transl)] Stan HJ, et al. **Z Lebensm Unters Forsch** 166(5):287–92, 28 Jun 78 (Eng. Abstr.) **(Ger)**
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METHODS

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CIRCULAR DICHROISM

[Study of 'bound insulin' of the blood sera of blood/donors and patients with diabetes mellitus by circular dichroism] Gracheva NK, et al. **Probl Endokrinol (Mosk)** 24(3):8-14, May-Jun 78 (Eng. Abstr.) **(Rus)**
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Mechanism for interference of hydrochlorothiazide with the Kober reaction for determination of urinary estriol in pregnancy. Watanabe F, et al. **Clin Chim Acta** 88(1):21-5, 15 Aug 78
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[Artefact during the estimation of 17-ketosteroids in patients treated with acebutolol (author's transl)] Wolf LM, et al. **Nouv Presse Med** 7(16):1402, 1405, 22 Apr 78 (Eng. Abstr.) **(Fre)**
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Quantitative cytochemistry: the basis of sensitive bioassays, for comparison of bio-and immuno-reactive hormone values. Bitensky L, et al. **Clin Chem** 24(8):1399-407, Aug 78
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A highly sensitive and specific enzyme-immunoassay method for oestradiol-17beta. Exley D, et al. **FEBS Lett** 91(2):162-5, 15 Jul 78
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A radio-gas chromatographic method for the determination of 11-oxotestosterone in fish plasma: its use in confirming estimations by radioimmunoassay. Simpson TH, et al. **Steroids** 31(5):691-5, May 78
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The cytochemical approach to hormone assay. Chayen J. **Int Rev Cytol** 53:333–96, 1978 (216 ref.)
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DENSITOMETRY, X-RAY

METHODS

[Bone density measurements by computer tomography (author's transl)] Lange S, et al. **ROEFO** 129(1):66–9, Jul 78 (Eng. Abstr.) (Ger)
*BONE AND BONES, radiography/ *DENSITOMETRY, X-RAY, methods/ ENGLISH ABSTRACT/ HUMAN/ *TOMOGRAPHY, COMPUTERIZED AXIAL

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ELECTROPHORESIS, PAPER

Isolation and identification of biologically active peptides. pp. 1–15. Morris HR.
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ELECTROPHORESIS, POLYACRYLAMIDE GEL

Development and application of a radioligand–receptor assay for thyrotropin. Workewych J, et al.
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Purification and some properties of ovine placental lactogen. Reddy S, et al. **J Endocrinol** 78(1):59–69, Jul 78
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METHODS

[Study of 'bound insulin' of the blood sera of blood/donors and patients with diabetes mellitus by circular dichroism] Gracheva NK, et al. **Probl Endokrinol (Mosk)** 24(3):8–14, May–Jun 78 (Eng. Abstr.) (Rus)
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FLUORESCENT ANTIBODY TECHNIC

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Distribution of LH-RH nerve endings in the median eminence of proestrus female rats: fluorescence and peroxidase anti-peroxidase (PAP) immunohistochemistry. Ibata Y, et al. **Endocrinol Jpn** 25(2):141–8, Apr 78
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[Detection of estrogen residues in meat by thin layer chromatography and fluorimetry (author's transl)] Stan HJ, et al. **Z Lebensm Unters Forsch** 166(5):287–92, 28 Jun 78 (Eng. Abstr.) **(Ger)**
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HISTOCYTOCHEMISTRY

Quantitative cytochemistry: the basis of sensitive bioassays, for comparison of bio–and immuno–reactive hormone values. Bitensky L, et al. **Clin Chem** 24(8):1399–407, Aug 78
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HISTORY

The cytochemical approach to hormone assay. Chayen J. **Int Rev Cytol** 53:333–96, 1978 (216 ref.)
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IMMUNOASSAY

A highly sensitive and specific enzyme–immunoassay method for oestradiol–17beta. Exley D, et al. **FEBS Lett** 91(2):162–5, 15 Jul 78
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Purification and some properties of ovine placental lactogen. Reddy S, et al. **J Endocrinol** 78(1):59–69, Jul 78
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MASS FRAGMENTOGRAPHY

METHODS

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MICROCHEMISTRY

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Radioimmunoassay for 3,3'–diiodothyronine in human serum. Grussendorf M, et al. **Clin Chim Acta** 88(1):81–8, 15 Aug 78
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